| Index of | Claims |
|----------|--------|
|          |        |

| Application No.  | Applicant(s) |
|------------------|--------------|
| 10/664,381       | SMITH ET AL. |
| Examiner         | Art Unit     |
| Russell M Kobert | 2829         |

| / | Rejected | 1 | - | (Through numeral<br>Cancelled |
|---|----------|---|---|-------------------------------|
| = | Allowed  |   | + | Restricted                    |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| 4 | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                                              | im                                                                         | Date     |                |          |          |                                                  |                                                  |              |          |                |  |
|--------------------------------------------------|----------------------------------------------------------------------------|----------|----------------|----------|----------|--------------------------------------------------|--------------------------------------------------|--------------|----------|----------------|--|
|                                                  | <del>-</del>                                                               | 4        |                |          |          |                                                  |                                                  |              |          |                |  |
| Final                                            | Original                                                                   | 9/13/04  |                |          |          |                                                  |                                                  |              |          |                |  |
| iĒ                                               | Ĕ                                                                          | 1,6      |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 0                                                                          | ر" ا     |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 1                                                                          |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 1<br>2<br>3<br>4<br>5                                                      |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 3                                                                          |          |                |          |          | _                                                |                                                  |              |          |                |  |
|                                                  | 4                                                                          | -        |                |          |          | $\vdash$                                         |                                                  |              | _        |                |  |
|                                                  | 5                                                                          |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 6                                                                          |          |                |          |          | _                                                |                                                  | _            | _        |                |  |
|                                                  | 7                                                                          | $\vdash$ |                |          |          |                                                  |                                                  |              |          | Н              |  |
|                                                  |                                                                            | $\vdash$ | $\vdash$       |          |          |                                                  | _                                                |              |          | П              |  |
| <u> </u>                                         | 9                                                                          | -        | $\vdash$       |          | -        |                                                  | -                                                |              |          | $\dashv$       |  |
| <del>                                     </del> | 10                                                                         | -        | -              |          | $\vdash$ | $\vdash$                                         | -                                                | _            | $\vdash$ | $\dashv$       |  |
| -                                                | 11                                                                         |          | $\vdash$       |          |          | $\vdash$                                         | $\vdash$                                         |              | -        | $\vdash$       |  |
| <b>⊢</b>                                         | 12                                                                         | =        | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$                                         | $\vdash$                                         | _            | $\vdash$ | $\vdash$       |  |
| -                                                | 12                                                                         | =        | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$                                         | $\vdash$                                         |              |          | $\vdash$       |  |
| 2                                                | 13                                                                         | <u> </u> | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$                                         | $\vdash$                                         |              | $\vdash$ | $\vdash$       |  |
| 3                                                | 14                                                                         | =        |                |          | <u> </u> |                                                  | <u> </u>                                         |              | -        | $\vdash\vdash$ |  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7                  | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 | =        | <u> </u>       | <u> </u> | H        | H                                                | $\vdash$                                         |              | $\vdash$ | Н              |  |
| <u> </u>                                         | 16                                                                         | =        | <u> </u>       |          |          | ļ                                                | -                                                |              | -        | $\vdash$       |  |
| <u>0</u>                                         | 1/                                                                         | =        |                | <u> </u> | <u> </u> | $\vdash$                                         | _                                                | _            | $\vdash$ | Н              |  |
| 7                                                | 18                                                                         | =        | _              | _        | _        |                                                  | _                                                |              |          | $\vdash$       |  |
| 8                                                | 19                                                                         | =        |                | _        |          |                                                  |                                                  | _            |          |                |  |
| 9                                                | 20                                                                         | =        | <u> </u>       | _        |          |                                                  |                                                  |              |          |                |  |
| 10<br>11<br>12<br>13<br>14<br>15                 | 21                                                                         | =        |                |          | L.       |                                                  |                                                  |              |          |                |  |
| 11                                               | 22                                                                         | =        |                |          | L        | _                                                |                                                  |              |          |                |  |
| 12                                               | 23                                                                         | =        |                |          |          |                                                  |                                                  |              |          |                |  |
| 13                                               | 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31                               | =        |                |          | _        |                                                  |                                                  |              |          |                |  |
| 14                                               | 25                                                                         | =        |                |          | L        |                                                  |                                                  |              |          |                |  |
| 15                                               | 26                                                                         | =        | L              |          |          |                                                  |                                                  |              |          |                |  |
| 16<br>17                                         | 27                                                                         | =        |                |          | L        |                                                  |                                                  |              |          |                |  |
| 17                                               | 28                                                                         | =        |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 29                                                                         |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 30                                                                         |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 31                                                                         |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 32<br>33                                                                   |          | L              |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 33                                                                         |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 34                                                                         |          |                |          |          |                                                  |                                                  |              |          |                |  |
|                                                  | 35                                                                         | П        |                | Γ        |          |                                                  |                                                  |              | Г        |                |  |
|                                                  | 36                                                                         | 1        | <u> </u>       |          |          | П                                                |                                                  |              |          |                |  |
|                                                  | 37                                                                         |          |                |          |          | П                                                |                                                  |              | $\vdash$ |                |  |
|                                                  | 38                                                                         | t        | T              |          |          | <b></b> -                                        |                                                  | Г            | Т        | П              |  |
| -                                                | 38<br>39                                                                   | T        | $\vdash$       |          | T        | $\vdash$                                         | -                                                | ┢┈           |          | П              |  |
|                                                  | 40                                                                         |          | $\vdash$       |          | $\vdash$ | <del>                                     </del> | -                                                |              |          | Н              |  |
|                                                  | 41                                                                         | $\vdash$ | $\vdash$       |          |          | $\vdash$                                         | <del>                                     </del> | $\vdash$     | $\vdash$ | Н              |  |
|                                                  | 42                                                                         | $\vdash$ | $\vdash$       |          | $\vdash$ | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$ | Н              |  |
|                                                  | 43                                                                         | -        | ┝              | $\vdash$ | -        | -                                                |                                                  | <del> </del> | -        | Н              |  |
| <u> </u>                                         | 44                                                                         | $\vdash$ | ┢              | -        | -        | $\vdash$                                         | -                                                | $\vdash$     |          | Н              |  |
| ├                                                |                                                                            |          | $\vdash$       | -        | $\vdash$ | $\vdash$                                         | $\vdash$                                         | -            |          | $\vdash$       |  |
| -                                                | 45                                                                         | <u> </u> | $\vdash$       | $\vdash$ | $\vdash$ |                                                  |                                                  | $\vdash$     | ├-       | Н              |  |
| <u> </u>                                         | 46                                                                         |          | <u> </u>       | <u> </u> | ├        | <u> </u>                                         | <u> </u>                                         | ⊢-           | <u> </u> | Н              |  |
| <b> </b>                                         | 47                                                                         | ļ        | <b>!</b>       | $\vdash$ | <u> </u> |                                                  | <u> </u>                                         | <u> </u>     | ┝        |                |  |
|                                                  | 48                                                                         | <b>!</b> | <del> </del> _ | ├        | <u> </u> | ļ                                                | <u> </u>                                         | <u> </u>     | <u> </u> | <u> </u>       |  |
| <u> </u>                                         | 49                                                                         | _        | <u> </u>       | <u> </u> | _        | <u> </u>                                         | <u> </u>                                         | <u> </u>     | _        | $oxed{oxed}$   |  |
| l                                                | 50                                                                         | l l      | ı              | l        | ı        | l                                                | ı                                                | l            | 1        | ı              |  |

| Cla         | aim                                    |          |          |   |   | Date |   |          |              |          |
|-------------|----------------------------------------|----------|----------|---|---|------|---|----------|--------------|----------|
|             | *****                                  | $\vdash$ |          |   |   | - 41 |   |          |              | _        |
| <del></del> | Original                               |          |          | 1 |   |      |   |          |              |          |
| Final       | igi                                    |          |          |   |   |      |   |          |              | l        |
|             | ō                                      |          |          |   |   |      |   |          |              | l        |
|             | 51                                     | -        |          |   |   |      |   | -        |              |          |
|             | 51<br>52                               | Н        | -        |   | _ | _    | _ |          | _            | ┝        |
|             | 52                                     | -        | $\dashv$ | - | _ | _    |   |          | _            |          |
|             | 53                                     |          |          |   |   |      |   |          |              |          |
| <b></b>     | 53<br>54<br>55                         |          |          | _ |   |      | _ |          |              |          |
|             | 22                                     |          |          |   |   | _    |   |          |              | _        |
|             | 56<br>57                               |          |          |   |   |      |   |          | _            | _        |
|             | 5/                                     |          | $\dashv$ |   | _ |      | _ |          | _            |          |
| <u> </u>    | 58<br>59                               |          |          |   |   |      |   |          | _            | -        |
| <u> </u>    | 59                                     |          |          |   |   |      |   |          | _            | _        |
|             | 60                                     | _        |          |   |   |      |   | _        |              | <u> </u> |
|             | 61                                     |          | _        |   |   |      |   |          |              | -        |
| <u> </u>    | 60<br>61<br>62<br>63                   | Ш        |          |   |   |      | _ | _        | _            |          |
| <u> </u>    | 63                                     |          |          |   |   |      |   | $\vdash$ | _            | _        |
| <u> </u>    | 64<br>65                               |          |          |   |   |      |   |          | <u> </u>     | _        |
|             | 65                                     |          |          |   |   |      |   |          |              |          |
| <u> </u>    | 66                                     | Ш        |          |   |   |      |   |          |              | _        |
|             | 67                                     |          |          |   |   |      |   |          | <u> </u>     | _        |
|             | 68                                     |          |          |   |   |      |   |          |              |          |
|             | 69<br>70<br>71                         | Ш        |          |   |   |      | _ |          |              | _        |
|             | 70                                     | Ш        |          |   |   | _    |   |          | L            | _        |
|             | 71                                     | Щ        |          |   |   |      |   |          |              |          |
|             | 72                                     | Щ        |          |   |   |      |   |          |              |          |
|             | 72<br>73<br>74<br>75<br>76<br>77<br>78 |          |          |   |   |      |   | L        |              |          |
|             | 74                                     |          |          |   |   |      |   |          |              |          |
|             | 75                                     | Щ        |          |   | Ш |      |   |          | $oxed{oxed}$ |          |
|             | 76                                     |          |          |   |   |      |   |          |              | L        |
|             | 77                                     |          |          |   |   |      |   |          |              | _        |
|             | 78                                     |          |          |   |   |      |   |          |              |          |
|             | 79                                     |          |          |   |   |      |   |          |              | L        |
|             | 80<br>81                               |          |          |   |   |      |   |          |              | L.       |
|             | 81                                     |          |          |   |   |      |   |          |              |          |
|             | 82<br>83                               | Ш        |          |   |   |      |   |          | _            |          |
|             | 83                                     |          |          |   |   |      |   |          |              | _        |
|             | 84                                     |          |          | _ | L |      |   |          |              | L.       |
|             | 85                                     |          |          |   |   |      |   | _        | L            |          |
| ļ           | 86                                     | Щ        |          |   |   |      |   |          |              | _        |
|             | 87                                     |          |          |   |   |      |   |          | <u> </u>     | <u> </u> |
|             | 88                                     |          |          |   |   |      |   |          | L            | L        |
|             | 89                                     | L        |          |   | L | L_   |   |          |              |          |
|             | 90                                     |          |          |   |   |      |   |          |              |          |
|             | 91                                     |          |          |   |   |      |   | L        |              |          |
|             | 92                                     |          |          |   |   |      |   |          |              |          |
|             | 93                                     |          |          |   |   |      |   |          |              |          |
|             | 94                                     |          |          |   |   |      |   |          |              |          |
|             | 95                                     |          |          |   | Ĺ |      |   |          |              |          |
|             | 96                                     |          |          |   |   |      |   |          |              |          |
|             | 97                                     |          |          |   |   |      |   | Ĺ        |              |          |
|             | 98                                     |          |          |   | Ĺ |      |   |          |              |          |
|             | 99                                     |          |          |   |   |      |   |          |              |          |
|             |                                        |          |          |   | _ |      |   |          | 1            |          |

100

| Cli       | aim                                                                | Date     |          |                    |          |              |                                                  |              |                                     |                 |  |
|-----------|--------------------------------------------------------------------|----------|----------|--------------------|----------|--------------|--------------------------------------------------|--------------|-------------------------------------|-----------------|--|
|           | <u></u>                                                            |          |          |                    |          |              |                                                  |              |                                     |                 |  |
| Final     | Original                                                           |          |          |                    |          |              |                                                  |              |                                     |                 |  |
| ίΞ        | )<br>Jić                                                           |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           |                                                                    |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 101                                                                |          |          |                    |          |              |                                                  |              |                                     | Щ               |  |
|           | 101<br>102<br>103                                                  | -        |          |                    | _        |              |                                                  |              |                                     | Н               |  |
|           | 103                                                                |          |          |                    | _        |              | _                                                |              |                                     | -               |  |
|           | 104                                                                |          |          |                    |          |              | $\vdash$                                         | $\vdash$     |                                     |                 |  |
|           | 105<br>106                                                         |          |          |                    | -        |              |                                                  |              |                                     | $\dashv$        |  |
|           | 107                                                                |          |          |                    |          |              |                                                  |              |                                     | Н               |  |
|           | 108                                                                | -        |          | _                  |          |              |                                                  |              |                                     | $\dashv$        |  |
|           | 108<br>109                                                         |          | _        |                    | -        |              | -                                                |              |                                     | $\dashv$        |  |
|           | 110                                                                |          | _        |                    |          | _            |                                                  |              |                                     | $\dashv$        |  |
|           | 111                                                                |          |          |                    |          |              |                                                  |              |                                     | Т               |  |
|           | 112                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 113                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 111<br>112<br>113<br>114<br>115                                    |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 115                                                                |          |          |                    |          |              |                                                  |              | L                                   | ]               |  |
|           | 116<br>117<br>118                                                  |          | Щ.       |                    | L        |              |                                                  |              |                                     |                 |  |
|           | 117                                                                |          |          |                    | _        |              | <u> </u>                                         | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\Box$          |  |
|           | 118                                                                | $\vdash$ | _        | L                  | Щ        |              | ļ                                                | ļ            | L.                                  | Щ               |  |
|           | 119                                                                | <u> </u> |          | <u> </u>           |          | -            | _                                                |              |                                     | $\vdash$        |  |
|           | 120                                                                |          | _        | _                  |          | _            | _                                                | _            | $\vdash$                            | _               |  |
|           | 121                                                                | _        | -        | _                  |          | _            | _                                                |              | H                                   | -               |  |
|           | 122                                                                |          |          |                    |          |              |                                                  |              | $\vdash$                            | -               |  |
|           | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |          | -        | _                  | -        | _            | $\vdash$                                         | Н            | $\vdash$                            | $\dashv$        |  |
|           | 125                                                                | -        | $\vdash$ | _                  |          | _            | $\vdash$                                         |              | $\vdash$                            | $\dashv$        |  |
|           | 126                                                                |          | $\vdash$ |                    | H        | -            | $\vdash$                                         | -            | _                                   | $\dashv$        |  |
|           | 127                                                                | _        | _        |                    | _        | _            |                                                  | Т            |                                     |                 |  |
|           | 128                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 129                                                                |          |          |                    |          |              |                                                  | Г            |                                     |                 |  |
|           | 130                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 131                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 132                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 133                                                                | Щ        | <u> </u> | $oxed{\mathbb{L}}$ |          |              | $oxed{\Box}$                                     | $oxed{\Box}$ | $oxed{\Box}$                        | Ш               |  |
|           | 134                                                                | L        | <u> </u> | L.                 | <u> </u> | L            | <u> </u>                                         | L            | <u> </u>                            | Щ               |  |
|           | 132<br>133<br>134<br>135<br>136                                    | Щ        | $\vdash$ | <u> </u>           | $\vdash$ | _            | <u> </u>                                         | L            | <u> </u>                            | Щ               |  |
|           | 136                                                                |          | -        | <u> </u>           | _        | <u> </u>     | <u> </u>                                         | $\vdash$     | _                                   | $\vdash \vdash$ |  |
|           | 137<br>138                                                         | -        | -        | -                  |          |              | <u> </u>                                         | <u> </u>     | -                                   | $\vdash \vdash$ |  |
|           | 138                                                                | -        | ├        |                    |          |              | ├-                                               | <del> </del> | $\vdash$                            | $\vdash$        |  |
| <b></b> - | 140                                                                | -        | -        | -                  |          |              | <del> </del>                                     | $\vdash$     | ├                                   | $\vdash \dashv$ |  |
| <u> </u>  | 141                                                                | $\vdash$ |          | ├-                 | $\vdash$ | <del> </del> | <del> </del>                                     | $\vdash$     | ┢                                   | $\vdash$        |  |
|           | 142                                                                | $\vdash$ | $\vdash$ | $\vdash$           | $\vdash$ |              | $\vdash$                                         | $\vdash$     | ╁                                   | $\vdash \vdash$ |  |
|           | 143                                                                | Н        | $\vdash$ |                    |          | -            | $\vdash$                                         | $\vdash$     | $\vdash$                            | Н               |  |
|           | 144                                                                |          | H        | $\vdash$           |          |              |                                                  | H            | $\vdash$                            | H               |  |
|           | 145                                                                |          |          |                    |          |              | <del>                                     </del> | $\vdash$     | <u> </u>                            | $\sqcap$        |  |
|           | 146                                                                |          |          |                    |          |              |                                                  |              |                                     | П               |  |
|           | 147                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 148                                                                |          |          |                    |          |              |                                                  |              |                                     |                 |  |
|           | 149                                                                |          |          | 匚                  |          |              |                                                  | 匚            |                                     |                 |  |
|           | 150                                                                |          |          |                    |          |              |                                                  |              | L                                   | $\coprod$       |  |